

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP03/08392

## A. CLASSIFICATION OF SUBJECT MATTER

Int.Cl<sup>7</sup> B60T8/00, B60T8/58, B60K41/00, B60K41/20

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Int.Cl<sup>7</sup> B60T7/12-7/22, B60T8/00, B60T8/32-8/96, B60K41/00-41/28,  
G01P3/00-3/80

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Jitsuyo Shinan Koho 1922-1996 Toroku Jitsuyo Shinan Koho 1994-2003  
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Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y A	JP 2002-029397 A (Toyota Motor Corp.), 29 January, 2002 (29.01.02), Column 2, line 32 to column 3, line 35; column 4, lines 32 to 38; column 5, line 45, 46 (Family: none)	1-7, 10, 13, 14 8, 9, 11, 12, 15-18
Y A	JP 08-156538 A (Nissan Motor Co., Ltd.), 18 June, 1996 (18.06.96), Column 11, lines 5 to 22 (Family: none)	1-7, 10, 13, 14 8, 9, 11, 12, 15-18
Y A	JP 07-242166 A (Toyota Motor Corp.), 19 September, 1995 (19.09.95), Column 3, lines 21 to 23; column 4, lines 19 to 27 (Family: none)	1, 2, 6, 7, 10, 13, 14 3-5, 8, 9, 11, 12, 15-18

☒ Further documents are listed in the continuation of Box C. ☐ See patent family annex.

\* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier document but published on or after the international filing date

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"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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"&" document member of the same patent family

Date of the actual completion of the international search  
31 October, 2003 (31.10.03)Date of mailing of the international search report  
18 November, 2003 (18.11.03)Name and mailing address of the ISA/  
Japanese Patent Office

Authorized officer

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## C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y A	JP 2002-029400 A (Mazda Motor Corp.), 29 January, 2002 (29.01.02), Column 9, lines 34 to 41; column 10, line 50 to column 11, line 6 (Family: none)	1-7, 10, 13, 14 8, 9, 11, 12, 15-18
A	JP 2001-082982 A (CKD Kabushiki Kaisha), 30 March, 2001 (30.03.01), (Family: none)	8, 9
Y A	JP 10-267740 A (Mitsubishi Motors Corp.), 09 October, 1998 (09.10.98), Column 4, lines 11 to 14 (Family: none)	10, 13, 14 11, 12, 15-18